

# seminars

## CERN NUCLEAR PHYSICS

### SEMINARS

Monday, September 29  
11.00  
Theory Conference Room

"High momentum components of spectator distributions"

by G. Alberi / CERN and Trieste University

Abstract : The experimental features of the spectator distribution in high energy reactions on deuteron are presented and compared with qualitative and quantitative predictions of the multiple scattering theory. Furthermore, three meson exchange models are discussed : it is shown that only one particular diagram is able to explain the channel dependence.

Monday, October 6  
11.00  
Theory Conference Room

"Pion-deuteron scattering in the  $\Delta$ -resonance region"

by F. Myhrer / CERN

Abstract : Results of a Faddeev calculation will be presented. Important effects that are neglected in 'standard' multiple scattering calculations will be discussed.

### ISR SEMINAR

Monday, September 29  
14.30  
ISR Auditorium  
(Top floor of Bldg. 30)

"The system of proportional chambers for the SFM Spectrometer"  
by O. Ullaland

### PHYSICS III COMMITTEE

Monday, September 29  
14.30  
Council Chamber

Provisional agenda :

1. Minutes of the meeting of 2 July 1975 (PH.III-75/20).
2. Announcements.
3. Proposals
  - Study of the Muonic and Pionic X-ray Cascades in Hydrogen, Deuterium and Helium (CERN-Daresbury-Mainz-TRIUMF collaboration) PH.III-75/14.
  - Request of approval and allocation of machine time for the first experiment with the Omicron spectrometer (Omicron collaboration) PH.III-75/22.
  - Request for extra running time for experiment SC 54 (Birmingham-Rutherford-Westfield Group).
4. Survey of recent experimental results at SIN (H.J. Gerber).
5. Report on irradiations at the PS (H. Ravn). Requests for machine time. Recommendations.
6. Report on the status of the SC (E.G. Michaelis).
7. Tentative schedule of the SC (E. Zavattini).
8. Date of next meeting (December 1 is proposed).
9. Any other business.

### EXPOSÉ SPECIAL

Lundi 29 septembre  
10.00  
Amphithéâtre

M. Binnewerg de l'entreprise REICHENBERGER A.G., spécialiste des interventions en cas de dégâts causés par le feu, fera un exposé sur les deux thèmes suivants :

- 1) Que faire pour éviter la propagation du feu de câbles;
- 2) Quelles mesures immédiates prendre en cas de corrosion sur les équipements après un incendie.

Langues : anglais, avec traduction simultanée en français; (des questions pourront être formulées en allemand).

### SPECIAL TALK

Monday, September 29  
10.00  
Auditorium

Mr. Binnewerg, representing REICHENBERGER A.G., specialists in the repair of damage caused by fire, will give a talk on :

- 1) How to prevent propagation of cable fires;
- 2) Immediate measures to be taken if corrosion appears on equipment following a fire.

Languages : English, with simultaneous translation into French; questions can be asked also in German.

DISCUSSION MEETING

Friday, October 3  
16.00  
Auditorium

"On the desirability of polarized protons from PS and in ISR"  
by G. Munday (CERN) - D. Mohl (CERN) - P. Darriulat (CERN) -  
E. Leader (London) - L. Michel (Bures) - M. Simonius (Zürich) -

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CERN TRACK CHAMBER  
COMMITTEE

Tuesday, October 7  
14.00  
Council Chamber

1. Report about the Symposium on Bubble Chamber Hadron Physics at Fermilab.
2. Bubble Chamber Film Analysis at French High Schools; a report on a Pedagogic Experiment (J. Duboc).

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CERN APPLIED PHYSICS  
SEMINAR

Wednesday, October 8  
14.30  
Auditorium

"Hydrogen economy : Prospect of a future energy system"  
by G. Beghi / Euratom, Ispra  
Abstract : As the supplies of fossil fuels diminishes more attention is given to alternative energy sources, particularly nuclear energy. Synthetic fuels are considered as energy vectors and in this frame hydrogen is one of the more promising : it can be produced from water and nuclear heat. Perspectives of new methods for large-scale hydrogen production are mentioned. Main technological aspects of a Hydrogen System are indicated, concerning transportation, storage and possible new uses. Perspectives of a penetration into the energy market are examined and a short information is given on the present state of research in the world.

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TECHNICAL PRESENTATION

Friday, October 3  
Auditorium

by Mr. Howard A. Feiner, from the RAMTEK DISPLAY COMPANY who will explain and demonstrate the power of colour raster graphics system offering resolutions up to 512 × 640 format.

08.30 - 11.00 }  
14.00 - 16.00 } -  
11.00 - 12.00 -

Demonstration  
Seminar

Information :  
M. Stumpe - Tel. 4147

# enseignement

ACADEMIC TRAINING1975-1976 ACADEMIC TRAINING PROGRAMME

1st Term : October to December 1975

Survey of the CERN Research Programme (\*)

October 21	09h00	Introductory remarks, by W. Jentschke
	09h15	Electronic experiments, by A. Astbury
	11h00	Bubble chamber experiments, by D.C. Colley
	14h30	SC and Isolde programme, by V. Soergel & P. G. Hansen
	16h30	Theory, by S. Fubini
October 22	09h00	The SPS, by H.O. Wüster
	10h30	SPS experimental programme, by J.V. Allaby
	14h30	ISR experiments, by U. Amaldi